

WHAT IS CLAIMED IS:

1. A detachable adaptor for glasses by which shelter glasses are detachably mounted immediately in front of main glasses, the main glasses including a main frame which holds a pair of main lenses, and the shelter glasses including a shelter frame which has magnetic lockers at both ends thereof and holds a pair of shelter lenses, the detachable adaptor comprising:
 - first and second clamp legs to clamp the adaptor to a desired position of the main frame, the first and second clamp legs being jointed at centers thereof to each other by a hinge;
a magnet unit provided at a rear end of the first clamp leg; and
an adjusting screw provided at a rear end of the second clamp leg, the adjusting screw having a role as a spacer to adjust a clamping force of the first and second clamp legs when clamping the adaptor to the desired position of the main frame.

2. The detachable adaptor according to claim 1, wherein the rear end of the second clamp leg has an internal thread to engage with the adjusting screw, and the rear end of the first clamp leg has a flat surface to be in contact with an inside

end of the adjusting screw, so that the first and second clamp legs are opened around the hinge at the rear ends thereof and are closed around the hinge at front ends thereof when the adjusting screw rotates in a predetermined direction, thus
5 clamping the adapter to the desired position of the main frame.

3. A device, comprising:

a) a main glasses including a main frame holding a pair of main lenses;

5 b) a shelter glasses including a shelter frame holding a pair of shelter lenses, the shelter frame holding the pair of shelter lenses substantially directly adjacent the main lenses;

10 c) the shelter glasses being detachably mounted in front of the main glasses, the shelter glasses including magnetic locking elements at both ends;

d) a detachable adapter configured for detachably attaching the shelter glasses in front of the main glasses, the detachable adapter including:

15 i) first and second clamp legs configured for clamping the adapter in a desired position relative to the main frame, the first and second clamp legs being hingedly attached to each other;

ii) a magnet unit provided at a rear portion of the first clamp leg; and

20 iii) an adjusting element provided at a rear portion of the second clamp leg, the adjusting element being configured for adjusting a clamping force of the first and second clamp legs when clamping the adapter in the desired position on the main frame.

4. The device as in claim 3, wherein:

a) the rear portion of the second clamp leg is configured for engaging with the adjusting element; and

5 b) a rear portion of the first clamp leg includes a flat surface configured for contacting an inside portion of the adjusting element, so that the first and second clamp legs open at the rear ends thereof and close at the front ends thereof when the adjusting element is adjusted, thereby clamping the adapter in the desired position on the main
10 frame.